Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	out	Dwellings with basements	ı	Small commercia   buildings 	al
				Rating class and   limiting features			
6: Okoboji			1.00 	  Very limited   Depth to   saturated zone   Shrink-swell	1.00 	  Very limited   Depth to   saturated zone   Shrink-swell	    1.00    1.00
8B: Judson	 - 100   	  Somewhat limited   Shrink-swell 		  Somewhat limited   Shrink-swell   Depth to   saturated zone	0.50  0.16	  Somewhat limited   Shrink-swell   Slope 	    0.50  0.01
8C: Judson	 - 100   			  Somewhat limited   Shrink-swell   Depth to   saturated zone	0.50	  Somewhat limited   Slope   Shrink-swell 	    0.86  0.50
9B: Marshall	 - 100 			  Somewhat limited   Shrink-swell		  Somewhat limited   Shrink-swell   Slope	    0.50  0.01
9C2: Marshall	 - 100 	  Somewhat limited   Shrink-swell		  Somewhat limited   Shrink-swell		  Somewhat limited   Slope   Shrink-swell	    0.86  0.50
9D2: Marshall	 - 100 	Slope	0.63	  Somewhat limited   Slope   Shrink-swell		  Very limited   Slope   Shrink-swell	11.00
11B: Colo	 -  60     	Depth to   saturated zone	11.00	  Very limited   Depth to   saturated zone   Shrink-swell	11.00	  Very limited   Depth to   saturated zone   Shrink-swell   Slope	  1.00    0.50  0.01
Judson	 -  30     			  Somewhat limited   Shrink-swell   Depth to   saturated zone	0.50  0.16	  Somewhat limited   Shrink-swell   Slope 	  0.50  0.01

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia buildings	ıl
				Rating class and   limiting features			
24B: Shelby	  -  100   				0.50  0.16		    0.50  0.01
24C2: Shelby	  - 100   	  Somewhat limited   Shrink-swell 		Shrink-swell	0.50  0.16		    0.86  0.50
24D2: Shelby	 - 100     	Slope	0.63	Shrink-swell	0.63  0.50  0.16	Slope   Shrink-swell	1.00
24E2: Shelby	 - 100     	Slope		Slope   Shrink-swell	1.00	  Very limited   Slope   Shrink-swell 	1.00
24E3: Shelby	 - 100     	Slope		Slope   Shrink-swell   Depth to	11.00	  Very limited   Slope   Shrink-swell 	1.00
24F2: Shelby	  - 100       	Slope	1.00	Slope   Shrink-swell	1.00  0.50  0.16	i I	1.00
24F3: Shelby	  -  100       	  Very limited   Slope   Shrink-swell 	1.00	· •	  1.00  0.50  0.16	Shrink-swell	  1.00  0.50

# Building Site Development

## Guthrie County, Iowa

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia buildings	al
		Rating class and   limiting features		Rating class and   limiting features		=	
51A: Vesser	  -   95   	Shrink-swell	1.00  0.50 	Depth to saturated zone	1.00  1.00 	Shrink-swell	    1.00  1.50
	   	Depth to   saturated zone 	0.39   	Shrink-swell   	0.50   	Depth to   saturated zone 	0.39   
51A+: Vesser	  -  95       	Flooding   Shrink-swell 	  1.00  0.50    0.39	Depth to saturated zone	  1.00  1.00    0.50	Shrink-swell	  1.00  0.50    0.39
54: Zook	  - 100     	  Very limited   Flooding   Depth to   saturated zone   Shrink-swell	    1.00  1.00    1.00	Depth to saturated zone		saturated zone	    1.00  1.00    1.00
54+: Zook	  - 100     	  Very limited   Flooding   Depth to   saturated zone   Shrink-swell	    1.00  1.00    0.50	Depth to saturated zone		saturated zone	    1.00  1.00    0.50
55A: Nicollet	    -  95   	    Somewhat limited   Shrink-swell 	      0.50	    Somewhat limited   Depth to   saturated zone	      0.73	    Somewhat limited   Shrink-swell 	      0.50
62C2: Storden	  - 100 	  Not limited 		  Not limited 		  Somewhat limited   Slope	    0.86
62D2: Storden	  - 100 	    Somewhat limited   Slope 	      0.63	    Somewhat limited   Slope 	      0.63	    Very limited   Slope 	      1.00
62E2: Storden	 - 100 	  Very limited   Slope		  Very limited   Slope	11.00	  Very limited   Slope	    1.00

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	out	Dwellings with basements		Small commercia buildings	al
				Rating class and   limiting features			
62F2: Storden	     100 			•		    Very limited   Slope	1 1.00
65E2: Lindley		Slope	1.00	Slope	1.00	  Very limited   Slope   Shrink-swell	1 1.00
65F2: Lindley		Slope	1.00	Slope	1.00	  Very limited   Slope   Shrink-swell	    1.00  0.50
65F3: Lindley		Slope	1.00	  Very limited   Slope   Shrink-swell		  Very limited   Slope   Shrink-swell	    1.00  0.50
65G2: Lindley		Slope	11.00		11.00	  Very limited   Slope   Shrink-swell	    1.00  0.50
69D2: Clearfield		Shrink-swell   Slope 	1.00  0.63		1.00  1.00 	  Very limited   Slope   Shrink-swell     Depth to	  1.00  1.00    0.39
	   	saturated zone 		 		saturated zone 	
73D2: Salida		  Somewhat limited   Slope 		  Somewhat limited   Slope 		  Very limited   Slope 	1 1.00
		  Somewhat limited   Shrink-swell 		  Somewhat limited   Shrink-swell   Depth to   saturated zone			    0.50   
76B: Ladoga	   100   	  Somewhat limited   Shrink-swell 	10.50	  Somewhat limited   Shrink-swell   Depth to   saturated zone	  0.50  0.15	•	    0.50  0.01

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia   buildings 	ıl
	        _			Rating class and   limiting features			
76C: Ladoga	     100     				    0.50  0.15	-	    0.86  0.50
76C2: Ladoga	   100     				0.50  0.15	•	    0.86  0.50
76D: Ladoga	   100     	Slope	  0.63  0.50 		0.63  0.50  0.15	Shrink-swell	11.00
76D2: Ladoga	   100       	Slope	0.63	Shrink-swell			    1.00  0.50
76E2: Ladoga	   100       	  Very limited   Slope   Shrink-swell 		  Very limited   Slope   Shrink-swell   Depth to   saturated zone	1.00  0.50  0.15	•	  1.00  0.50
80B: Clinton	   100     	  Somewhat limited   Shrink-swell   		Depth to	  0.50  0.15		  0.50  0.01 
80C2: Clinton	   100     		    0.50   	Depth to	  0.50  0.15 	•	    0.86  0.50

# Building Site Development

## Guthrie County, Iowa

Map symbol and soil name	Pct.   of  map  unit	basements 	Dwellings with basements		Small commercial   buildings 		
				Rating class and   limiting features			
80D2: Clinton	  - 100     	Slope		Shrink-swell	0.63	Slope   Shrink-swell	    1.00  0.50 
80D3: Clinton	  - 100     	Slope	0.63	Slope   Shrink-swell	0.63	  Very limited   Slope   Shrink-swell 	    1.00  0.50
88: Nevin	  -  95     	  Somewhat limited   Shrink-swell   	    0.50   	Depth to   saturated zone		  Somewhat limited   Shrink-swell   	    0.50   
93D2: Shelby	  -  60     	Slope	0.63  0.50	Shrink-swell	0.63  0.50  0.16	Slope   Shrink-swell	  1.00  0.50
Adair	  -  35         	Shrink-swell     Slope	  0.63  0.39	Depth to   saturated zone   Slope	1.00    0.63  0.50	Shrink-swell	  1.00    1.00  0.39
93D3: Shelby	  -  60       	Slope   Shrink-swell	0.63  0.50	Shrink-swell	0.63  0.50	Slope   Shrink-swell	  1.00  0.50
Adair	  -  35       	  Very limited   Shrink-swell     Slope   Depth to   saturated zone	11.00	saturated zone   Slope	  1.00    0.63  0.50	   Shrink-swell	  1.00    1.00  0.39

Building Site Development

	Pct.  Dwellings without   of   basements   map     unit		ut	Dwellings with   basements   		Small commercia buildings	al
	     	Rating class and   limiting features		Rating class and   limiting features			
93E2: Shelby	     60     	Slope	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Slope   Shrink-swell   Depth to			    1.00  0.50
Adair	30	Shrink-swell   Slope 	1.00  1.00 	Depth to saturated zone	1.00  1.00 	  Very limited   Slope   Shrink-swell     Depth to   saturated zone	  1.00  1.00    0.39
93E3: Shelby	   60   1	Slope	11.00	Slope   Shrink-swell			    1.00  0.50
Adair	   	Shrink-swell   Slope 	1.00  1.00 	Slope   Depth to   saturated zone	1.00  1.00 	  Very limited   Slope   Shrink-swell     Depth to   saturated zone	  1.00  1.00    0.39
95: Harps	     95   	Depth to   saturated zone	1.00 	Depth to   saturated zone	1.00 	  Very limited   Depth to   saturated zone   Shrink-swell	    1.00    0.50
107: Webster	     95     	Depth to   saturated zone	1.00 	Depth to saturated zone	11.00	  Very limited   Depth to   saturated zone   Shrink-swell	    1.00    0.50
108A: Wadena	100	    Not limited 	'     	    Not limited 	 	    Not limited 	 
108B: Wadena	1100	  Not limited 	 	  Not limited 		  Somewhat limited   Slope	0.01

Building Site Development

	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia buildings	1
	     			Rating class and   limiting features		•	
108C2: Wadena	1100	    Not limited		    Not limited		  -  Somewhat limited   Slope	      0.86
133A: Colo	  100     	Flooding   Depth to   saturated zone	1.00  1.00 	Flooding   Depth to	1.00  1.00 	Depth to saturated zone	    1.00  1.00    0.50
133A+: Colo	  100       	Flooding   Depth to   saturated zone	1.00  1.00 	Depth to	1.00  1.00	Depth to	      1.00  1.00    0.50
133B: Colo	  100     		11.00	Depth to saturated zone		•	  1.00    0.50  0.01
133B+: Colo	  100       	Depth to   saturated zone	11.00	  Very limited   Depth to   saturated zone   Shrink-swell	1.00 	saturated zone Shrink-swell	  1.00    0.50  0.01
138B: Clarion	    100 	    Not limited 		    Not limited 		    Somewhat limited   Slope	0.01
138B2: Clarion	    100 			    Not limited 	,	    Somewhat limited   Slope	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
138C: Clarion	    100 	    Not limited 		    Not limited 		    Somewhat limited   Slope	      0.86
138C2: Clarion	    100 	    Not limited 		    Not limited 	     	    Somewhat limited   Slope	      0.86

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia buildings	ıl
	     			Rating class and   limiting features			
138D2: Clarion		    Somewhat limited   Slope				    Very limited   Slope	
138E: Clarion		•		    Very limited   Slope		    Very limited   Slope 	1   1   1   1   1   1   1   1   1   1
179D2: Gara	  - 100     	Slope	0.63	Shrink-swell   Depth to	  0.63  0.50  0.16	Shrink-swell	1.00
179E2: Gara	 - 100     	  Very limited   Slope   Shrink-swell 	1.00  0.50	Slope   Shrink-swell			1.00
179F2: Gara	 - 100     	Slope		  Very limited   Slope   Shrink-swell   Depth to   saturated zone	  1.00  0.50  0.16	Shrink-swell	1.00
179G2: Gara	 - 100     		1.00	Shrink-swell	  1.00  0.50  0.16	Shrink-swell	1.00
192D2: Adair	 - 100   	Shrink-swell     Slope	1.00    0.63		1.00    0.63	   Shrink-swell	    1.00    1.00
		Depth to   saturated zone	0.39	Shrink-swell	0.50 	Depth to   saturated zone	10.39

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements		Dwellings with basements basements		Small commercia buildings	al
	 	<del>-</del>		Rating class and   limiting features		<del>=</del>	
192E2:	   	 		 		 	
Adair	100     			Very limited   Slope   Depth to   saturated zone		Very limited   Slope   Shrink-swell 	  1.00  1.00
	İ	Depth to saturated zone	0.39			Depth to saturated zone	0.39
192E3: Adair	   100   	· •		  Very limited   Slope   Depth to   saturated zone		  Very limited   Slope   Shrink-swell	11.00
	İ	Depth to saturated zone	0.39	•		Depth to saturated zone	0.39
201B: Olmitz	    50   	'	    0.50	  Somewhat limited   Shrink-swell   Depth to   saturated zone		  Somewhat limited   Shrink-swell   Slope 	    0.50  0.12
Colo	30       	Flooding	1.00  1.00	saturated zone	1.00  1.00	saturated zone	  1.00  1.00    0.50  0.01
203: Cylinder	      95   		      0.50	    Very limited   Depth to   saturated zone		    Somewhat limited   Shrink-swell 	      0.50
212: Kennebec	    95     	Flooding		Flooding	1.00  0.61		11.00
220: Nodaway	    95     	  Very limited   Flooding   Shrink-swell 	1.00		  1.00  0.61    0.50	Shrink-swell	  1.00  0.50 

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements		Small commercia   buildings 	al
	     _			Rating class and   limiting features 			
222C2: Clarinda	  - 100       	Shrink-swell	11.00			  Very limited   Shrink-swell   Slope     Depth to   saturated zone	    1.00  0.86    0.39
222D2: Clarinda	 - 100     	Shrink-swell   Slope 		Depth to saturated zone	1.00  1.00	  Very limited   Slope   Shrink-swell     Depth to   saturated zone	  1.00  1.00    0.39
236B: Lester	  - 100 	 	10.50	    Not limited 	 	 	      0.50  0.01
236C2: Lester	- 100	•	0.50	    Not limited   	       	  Somewhat limited   Slope   Shrink-swell	    0.86  0.50
236D2: Lester	 - 100   	Slope	    0.63  0.50			  Very limited   Slope   Shrink-swell 	  1.00  0.50
269: Humeston	 - 100     	Flooding   Depth to   saturated zone	1.00  1.00 	Depth to   saturated zone	1.00  1.00	· •	  1.00  1.00    1.00
273B: Olmitz	 - 100     	  Somewhat limited   Shrink-swell   	    0.50   	Depth to	  0.50  0.16		    0.50  0.01

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements	ut	Dwellings with basements l	ı	Small commercial   buildings   	
		Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value
273C: Olmitz	     100     	•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	  Somewhat limited  Shrink-swell  Depth to  saturated zone	    0.50  0.16		    0.86  0.50
308A: Wadena	100	  Not limited		  Not limited		  Not limited	
308B: Wadena	   100 	    Not limited 		    Not limited 		    Somewhat limited   Slope	0.01
308C: Wadena	100 	•	0.16	  Somewhat limited   Slope	0.16	  Very limited   Slope	11.00
313E2: Gosport	   100         	Shrink-swell   Slope 	  1.00  0.96    0.07	Depth to saturated zone	1.00  1.00	Shrink-swell     Depth to   saturated zone	    1.00  1.00    0.07
313F2: Gosport	   100         	Slope   Shrink-swell	      1.00  1.00  0.07	Shrink-swell	1.00  1.00	Depth to saturated zone	    1.00  1.00  0.07
315: Alluvial Land	      90	    Not rated 	     	    Not rated 	     	    Not rated 	     
318F: Clanton	   100     	    Very limited   Slope   Shrink-swell 	    1.00  1.00 	-	      1.00  1.00  0.16	Shrink-swell	    1.00  1.00

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements		Dwellings with   basements 		Small commercial   buildings 	
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value
354: Marsh	    -  95 	    Not rated   	       	    Not rated   	       	    Not rated   	       
368: Macksburg	    -  95     	    Very limited   Shrink-swell   	1 1.00	  Somewhat limited   Depth to   saturated zone   Shrink-swell	    0.61    0.50	İ	1 1 1 . 00
370A: Sharpsburg	- 100   	  Somewhat limited   Shrink-swell 	0.50		0.50	•	    0.50
370B: Sharpsburg	  - 100   	    Somewhat limited   Shrink-swell 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	  Somewhat limited   Shrink-swell   Depth to   saturated zone	    0.50  0.15	•	    0.50  0.01
370C: Sharpsburg	 - 100   	  Somewhat limited   Shrink-swell 	10.50	  Somewhat limited   Shrink-swell   Depth to   saturated zone	    0.50  0.15		    0.86  0.50
370C2: Sharpsburg	 - 100   	  Somewhat limited   Shrink-swell 	0.50	  Somewhat limited   Shrink-swell   Depth to   saturated zone	0.50	· •	    0.86  0.50
370D: Sharpsburg	  - 100     	  Somewhat limited   Slope   Shrink-swell 	  0.63  0.50		  0.63  0.50  0.15	Shrink-swell	  1.00  0.50

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements		   Dwellings with   basements 		Small commercial   buildings 	
				   Rating class and   limiting features 			
370D2: Sharpsburg	  - 100     	Slope	0.63	Shrink-swell	0.63  0.50  0.15	Slope   Shrink-swell	    1.00  0.50
370E2: Sharpsburg		Slope		Slope   Shrink-swell	1.00  0.50  0.15	İ	  1.00  0.50
415D: Montieth	  - 100     	•	0.63 	•		  Very limited   Slope   	1 1.00
415E: Montieth				Slope		  Very limited   Slope 	11.00
415F: Montieth			11.00	Slope		  Very limited   Slope 	11.00
416E: Hesch	 - 100   	  Very limited   Slope 	0.96	Slope	    0.96  0.46		11.00
417D: Hesch	 - 100   	  Somewhat limited   Slope   	    0.63   	Slope	    0.63  0.46		11.00

Building Site Development

Map symbol and soil name	Pct.   of  map  unit	basements		Dwellings with basements		Small commercial   buildings 	
	     			Rating class and   limiting features			
417E: Hesch	    - 100   			Slope		· •	1 1 .00
428B: Ely	    -  95     	  Somewhat limited   Shrink-swell   	1 1 1 0.50	Depth to   saturated zone	0.95 	İ	    0.50    0.01
485A: Spillville	    -  95     	Flooding	1.00	Flooding   Depth to   saturated zone	1.00	Shrink-swell	1 1.00 10.50
507: Canisteo	    -  95   		1.00	  Very limited   Depth to   saturated zone	1.00		1 1.00
585B: Colo	  -  60       	Depth to   saturated zone	1.00 	Depth to   saturated zone	1.00 	saturated zone Shrink-swell	  1.00    0.50  0.01
Spillville	  -  30   	  Somewhat limited   Shrink-swell   		Depth to saturated zone	0.61 	Shrink-swell	  0.50    0.01
615B: Colo		Depth to	1.00 	Depth to	1.00 		    1.00    0.50  0.01
Spillville	  -  30   	  Somewhat limited   Shrink-swell   		  Somewhat limited   Depth to   saturated zone   Shrink-swell	    0.61    0.50	l	  0.50    0.01

Building Site Development

and soil name	Pct.   of  map  unit	İ	ut	Dwellings with basements		Small commercial buildings	
	     			Rating class and   limiting features			
675C2: Dickinson	     60	    Not limited 		    Not limited	     	    Somewhat limited   Slope	      0.86
Sharpsburg		  Somewhat limited   Shrink-swell   	0.50 	Shrink-swell	0.50	  Somewhat limited   Slope   Shrink-swell 	  0.86  0.50
675D2: Dickinson	   50					  Very limited   Slope	11.00
Sharpsburg		Slope	0.63	Slope   Shrink-swell	0.63  0.50  0.15	•	11.00
733: Calco	  100     	Flooding   Depth to   saturated zone	1.00  1.00 	Flooding	1.00  1.00	Depth to saturated zone	  1.00  1.00 
822D2: Lamoni	  100         	Shrink-swell   Slope 	1.00  0.63    0.39	Shrink-swell   Depth to   saturated zone	1.00  1.00    0.63	  Very limited   Slope   Shrink-swell     Depth to   saturated zone	1.00
822E2: Lamoni	 	Shrink-swell   Slope	1.00  1.00  0.39	Shrink-swell   Slope   Depth to	1.00  1.00  1.00	  Very limited   Slope   Shrink-swell   Depth to   saturated zone	
993E2: Gara	   60     	Slope	1 1.00	·	    1.00  0.50  0.16	Shrink-swell	11.00

## Building Site Development

## Guthrie County, Iowa

Map symbol and soil name	  Pct.   of  map  unit	basements		   Dwellings with   basements   		Small commercial   buildings 	
	     	   Rating class and   limiting features 		   Rating class and   limiting features 		   Rating class and   limiting features 	
Armstrong	30	Shrink-swell   Slope	  1.00  1.00  0.39	Slope		•	  1.00  1.00  0.39
C133A: Colo	   95     	Depth to saturated zone		Depth to saturated zone		saturated zone	  1.00  1.00    0.50
C220: Nodaway	   90       	Flooding		Depth to saturated zone		İ	1 1.00 10.50
T9B: Marshall	1100		      0.50	  Somewhat limited   Shrink-swell 	      0.50	  Somewhat limited   Shrink-swell   Slope	0.50
T76B: Ladoga	100	•	    0.50   		    0.50  0.15	•	    0.50  0.01
T370B: Sharpsburg	100	•	    0.50 		    0.50  0.15		    0.50  0.01
W: Water	  100       	  Not rated       	 	  Not rated       	         	  Not rated       	